

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08591

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ D06M15/15, D06M15/263

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ D06M15/00-15/72, A61K7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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|---------------------------|-----------|----------------------------|-----------|
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| Kokai Jitsuyo Shinan Koho | 1971-2003 | Jitsuyo Shinan Toroku Koho | 1996-2003 |

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X A | JP 2000-79659 A (Idemitsu Petrochemical Co., Ltd.), 21 March, 2000 (21.03.00), Claim 1; Par. No. [0021] Claim 1; Par. No. [0021] (Family: none) | 5, 8 1-4, 6, 7, 9 |
| X A | JP 2002-129482 A (Okamoto Industries, Inc), 09 May, 2002 (09.05.02), Claim 1; Par. No. [0025] Claim 1; Par. No. [0025] (Family: none) | 5, 8 1-4, 6, 7, 9 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
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 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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 "&" document member of the same patent family

Date of the actual completion of the international search
07 October, 2003 (07.10.03)

Date of mailing of the international search report
28 October, 2003 (28.10.03)

Name and mailing address of the ISA/
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INTERNATIONAL SEARCH REPORT

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PCT/JP03/08591

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X A | JP 8-258235 A (Yamato Kagaku Kogyo Kabushiki Kaisha), 08 October, 1996 (08.10.96), Claim 1; Par. No. [0022] Claim 1; Par. No. [0022] (Family: none) | 5,8 1-4,6,7,9 |
| X A | JP 4-311767 A (Teijin Ltd.), 04 November, 1992 (04.11.92), Claim 1 Claim 1 (Family: none) | 5,8 1-4,6,7,9 |
| Y | JP 63-309273 A (Q.P. Corp.), 16 December, 1988 (16.12.88), Claim 1 (Family: none) | 1-9 |
| Y | JP 9-176998 A (Ishihara Chemical Co., Ltd.), 08 July, 1997 (08.07.97), Claim 1 (Family: none) | 1-9 |
| Y | JP 2001-172870 A (Toray Industries, Inc.), 26 June, 2001 (26.06.01), Claim 1 (Family: none) | 1-7,9 |
| Y | JP 10-219568 A (Kobayashi Pharmaceutical Co., Ltd.), 18 August, 1998 (18.08.98), Claim 2; Par. No. [0041] (Family: none) | 5,8 |
| Y | EP 939160 A1 (Idemitsu Petrochemical Co., Ltd.), 01 September, 1999 (01.09.99), Claim 3; Par. No. [0043] & WO 97/40227 A1 Claim 3; page 7, lines 21 to 24 | 1-9 |
| Y | JP 7-300770 A (Komatsu Seiren Co., Ltd.), 14 November, 1995 (14.11.95), Claim 4 (Family: none) | 1-9 |
| Y | JP 6-158545 A (Kanebo, Ltd.), 07 June, 1994 (07.06.94), Claim 2 (Family: none) | 1-9 |
| A | JP 10-72313 A (Q.P. Corp.), 17 March, 1998 (17.03.98), Claim 1; Par. No. [0005] (Family: none) | 1-9 |